

WHAT IS CLAIMED IS:

- 5 1. A housing for protecting a flat panel display and/or a backlight module, comprising: a rear blade, a front blade, and a side blade, wherein said side blade is integrated with and sandwiched between said front blades and said rear blades to form a frame having a cross-section in a shape of "□", and said frame is allowed to fold to surround the partial or the whole edge of said flat panel display and/or a backlight module.
- 10 2. The housing as claimed in claim 1, wherein said frame further comprising at least a binding unit on the surface of said frame to fix and close the two ends of said frame.
3. The housing as claimed in claim 1, wherein said rear blade or said front blade has at least a cut or a gap.
- 15 4. The housing as claimed in claim 1, wherein the length of said frame is not greater than the peripheral length of said flat panel display and/or a backlight module.
5. The housing as claimed in claim 1, wherein said frame has at least one opening for an electric cable connecting to said flat panel display and/or said backlight module.
- 20 6. The housing as claimed in claim 1, further comprising at least one separate blade locating on the inner surface of said side blade.
7. The housing as claimed in claim 3, wherein said cut is V-cut.
- 25 8. The housing as claimed in claim 3, wherein said binding unit

is a combination of a hook and a groove.

9. The housing as claimed in claim 1, wherein said flat panel display comprises a panel and a backlight module.

10. The housing as claimed in claim 1, wherein said flat panel display is a liquid crystal display panel.

11. The housing as claimed in claim 1, wherein said frame is made by plastic or metal.

12. A flat panel display, comprising:

A display panel; and

A housing for protecting a flat panel display and/or a backlight module, comprising: a rear blade, a front blade, and a side blade wherein said side blade is integrated with and sandwiched by said front blades and said rear blades to form a frame having a cross-section in a shape of "U", and said frame is allowed to fold to surround the partial or whole edge of said flat panel display and/or a backlight module.

13. The flat panel display as claimed in claim 12, wherein said frame further comprising at least a binding unit on the surface of said frame to fix and close the two ends of said frame.

14. The flat panel display as claimed in claim 12, wherein said rear blade or said front blade has at least a cut or a gap.

15. The flat panel display as claimed in claim 12, wherein the length of said frame is not greater than the perimeter of said flat panel display and/or a backlight module.

16. The flat panel display as claimed in claim 12, wherein said

frame has at least one opening for the electric cable connecting to said flat panel display and/or said backlight module.

17. The flat panel display as claimed in claim 12, wherein said frame further comprising at least one separate blade locating on the inner surface of said side blade.

18. The flat panel display as claimed in claim 12, wherein said cut is V-cut.

19. The flat panel display as claimed in claim 12, wherein said binding unit is a combination of a hook and a groove.

20. The flat panel display as claimed in claim 12, wherein said flat panel display is a liquid crystal display panel.

21. A method for assembling a flat panel display, comprising following steps:

(A) providing a flat panel display or a backlight module, and a housing for protecting a flat panel display and/or a backlight module, comprising: a rear blade, a front blade, and a side blade wherein said side blade is integrated with and sandwiched by said front blades and said rear blades to form a frame having a cross-section in a shape of "U", and said frame is allowed to fold to surround the partial or whole edge of said flat panel display and/or a backlight module; and

(B) folding or bending said frame to surround at least

part of the edge of said flat panel.

22. The method as claimed in claim 21, wherein said flat panel display comprises a panel and a backlight module.

5 23. The method as claimed in claim 21, wherein said further comprising at least one separate blade locating on the inner surface of said side blade.

10 24. The method as claimed in claim 21, wherein said frame further comprising at least a binding unit on the surface of said frame to fix and close the two ends of said frame.

25. The method as claimed in claim 21, wherein said rear blade or said front blade has at least a cut or a gap.

15 26. The method as claimed in claim 21, wherein the length of said frame is not greater than the perimeter of said flat panel display and/or a backlight module.

27. The method as claimed in claim 21, wherein said frame has at least one opening for the electric cable connecting to said flat panel display and/or said backlight module.

20 28. The method as claimed in claim 21, wherein said binding unit is a combination of a hook and a groove.

29. The method as claimed in claim 21, wherein said flat panel display is a liquid crystal display panel.

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